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      200           300           400           500           600           700           800           900           1000          1100          1200
1 Hsap2  LTYGDSGPVDFWFVYKLPALRGSG.EAAQRGLQYKYLDSSGGWRDGRALINSPBGAVGRSLQFLYRSN...TSQLAFLLYNDOP PPSKAQ.DSSMRGHAKGVLLLDHDKGF
Pbiv2   ISGYDDFGQPVDFWFIYKLPKSYHSS...AVEGMRVYMOGRTQGVWVG.RSLMNSTEGAVGRSLQFLYQEAADRQWEEEMAAYVLYNDOPENEN...SSGSKGHAKGVLLLDHDKGF
Drex2   ISGYNDGGQPVDFWFIYKLPKHHHTP...LEEGLRYLFMDVSEGWTDG.TTLMNDTCSAVGRTVGFLYEGG...DVGTYLYLYNDOPPKQKQVEGASRSKGHAKGVVLDKQGF
Scan2   ISGYDDGGQPVDFWFIYKLPKHHVH...KTKGLYLFMDVSTNWRAG.KHSNDTTCAVGATLQQTGLKKARYQ...NDDMAYVLYNDOPENS...ESYKGHAKGVVLDKQGF
Pmar2   VSLNLEGRKSVDFWFIYKLPK...GKGLYLYLSTTSWQNA.OVDVDSNKSSEVYQTVVQOLYDGNATE.AGDVAFVLYNDOPENS...DSIKGHAKGVVMDLQGF
2 Hsap2b ISGRNEEGKAVDFWFIYKLPKRONKE...SGETGLELYLYLSTTSWRKS.EQLMNDTKSVLGTTLQQLYKAYASK...SNNTAYLYLYNDOPWPKPVNY...SRKYGHAKGVLLNRYQGF
Ggal2b  ISGRNEEGKAVDFWFIYKLPKHTKGG...GTGLGLELYLYLSTTSLAQWOLG.RYLVNMTGQALGO TLQQLYKAYESK...RNNTAYLYLYNDOPHSGSI...NGKYGHAKGVLLLDKQGF
Drex2b  ISGLNEEGKAVDFWFIYKLPKYMKE...VRGSGVDYMYLDPSIMDFQIS.KYTVNMTGALGR TLQQLYSGYTS...NSSVMYLYLYNDOPB.LKY...PSKYGHAKGVLLMPDQGF
Scan2b  ISGRDEAGKAVDFWFIYKLPKRVHQ...SIGMGLKFFLYLDPSTVITWQOS.KHRVNMTESSALGR TLQQLYSGYTKL...VDDRAYFYLYNDOPB.S.MPY...DMKHGHAKGVLLLDKQGF
Bf1o2b VSLNLEGRKAVDFWFIYKLPKISSSSYKLVQGLGHEVYMDANTKKWSDVSPESLNMTNNNAIGR TLQQMFRASSGQ...DIAYLYLYNDOPNDTLA.ATSTRGHAKGVLVFDKQGF
      1300           1400           1500           1600           1700           1800           1900           2000           2100           2200           2300
1 Hsap2  WLVIHSPPNPPPPASSAAVSWFHSACTYGO TLQLVSVFPFAQFQSKMGKQLTYTYDWWVYNYOLEGIFAEQFPPDENVVKG...HHVVSQEPWNSSITLRSQAGAVFQSFAPKSKFFGDDLY
Pbiv2   WLVIHSPPNPPPLDEKEMAWBHHTALITYGOSFVQVTPVYQFKAIGNGOLLFTPEPDVYDYRVGAFADLPALLNASEG...QWVEEPWNSRVTLRSRGRKFFVSVFAGSGFFGDDLY
Drex2   WLVIHSPPNPPPKSEGGPSYVTSGISNGWFIVTTPFERFOTIIEGLKINQDFITFQSTPSSLATAVPAMAQLRHTLDKRDNDNSSSSNRSSISLSLAKTFEISFAKASFAFDLY
Scan2   WLVIHSPPNPPPKRAGO.LVTFWBSHKSGRNGOSSLVTVYLYSQFQKDIIGTOLLYNNDPRVYASHLPNPFDDLNLVNMTHAAAG...KRAQGGPPWNRVETLRSAGKHFTSFAKRRFFGDDLY
Pmar2   WLVIHSPPNPPSPVPG.PFAWBSHTALRYGOSPLVSVYGFQDFGDIALOLRYNNDPRVYSHQVGAQKDKRKLPLQLALAK...TKLQVEISATRVVELLRSAGKTFRSTFTHRFFDLDLY
2 Hsap2b WLVIHSPPNPPPIPEE.GYDYDPTGRRNGOSGICITFKYNYQVEAIDSOQLLVNNDPRVYSSQVGAQKDKRKLPLQLALAK...ASSEIPIRLLTTLRSAGQGFHLFAKSDSFFLDLIF
Ggal2b  WVVIHSPPNPPPIPEE.GYDYDPTGRRNGOSGICITFKYNYQVEAIDSOQLLVNNDPRVYSSQVGAQKDKRKLPLQLALAK...SRLPSPGLRLLKSLRSAGHGEAFHLFAKSRSSFFVDDIY
Drex2b  WLVIHSPPNPPPIPEE.NVYDPTGRRNGOSGICITFNQVYQFRIISWOLLAYLNPRVYSSVVAFRPDIGEMAQIIGD...KTPAIRNRRSLQKLOSQVGGQTFRSFAKSNYVDDIY
Scan2b  WLVIHSPPNPPPKPK.NVSWPSSGKKGGLPFTVQYQVVEICRQLLYNNDPRVYSHQVGAQKDKRKLPLQLALAK...GRWSKPPTRHAELRSQGVSRQSFATKFFEDDIY
Bf1o2b WLVIHSPPNPPPKPK.NVSWPBNATTYGOSPLLSISEQVVEFEKLIKGLQLLYTWPRVYSSQVGAQKDKRKLPLQLALAK...QRHVGSSPWNHHTLRSRGGQGFHSFVSGFFEDDIY
      240           250           260           270           280           290           300           310           320           330           340           350
1 Hsap2  SCWLAALGLTNLQVQFHKTVGIETSNCSQIWOVLNVNQIATFPGPAGSFPNSTIDHRSKWCVPK...GFWCVGDMMNRNQGEEQRGGGLCQLPALWKAFFPLVKNYQKNGM
Pbiv2   SCWLAALGLTDLVEFVFKSRGLASNSCSQFVYVVECLAFRDPA.TPFSTIDHRSKWCVGT.E.R.DFGWCVGDMMNRNHABEHRGGGLCRDPAIKSFSHSLVQNTDGT
Drex2   HSWVAFTLQSNLVQFWRRTGTLPSNSCSNMYLNLIDLITSPGK.VTFKTRDHSKWCVAVSSSSGT.SGGWCVDINRDEAEKRGGGVRRDAVWVKVRSALQCEGCSGE
Scan2   ACWVAEAFHSDLVETWNSAHTLRSNSCSMTYAVVNRNITFGAK...RFTHSDHRSKWCVTI.PGA.GAKWCVGDINRDEAQEHRGGIVCDDPPVWDSFSSLVASCEICACS
Pmar2   VHLVAEALNLSLDESWVHGQGVVDSNSCSGEFVCRVSSIISLPS...APFSSSEDDHRSKWCVSTGSSPGGAWCVGDINRNRGEEYRGGIVCDDDPVIAWAFKATITVETCPAG
2 Hsap2b AAWMAQRLKTHLDTTWQRKRQELPSNSCSLPYRVYNIKAIKLSRH...SYFSSYQDHAQKWCISQKG.T.KNRWCVGDLNRRSPHQAFRRGGIVCNQWQVYQFQGLVLYYESOK..
Ggal2b  VAWVADELRTDLASWQHSQQRKLPNSCSLQVYVYINLIGLPLN...STFSTIDHRSKWCVSMKE...EVQWCVGDLNRRAVEQAWRGGIVCQNRHIYSAPRRLVINYEKQVNDIA
Drex2b  TCWVAELTLTLDESQHQHQHQLPSNSCSLPWVNIINAVCLPSP...OMFSSYDHSKWCVSYTF...KDGWCVGDLNRDGGQAGRGGIVCQNSVYIKAFKRAMANKK...
Scan2b  ACWVAQTLTLTLDETWNSRHELPSNSCSLPKRVYVNRVQVLEGP.ALFFSYNDSKWCVSRY...RQWCVGDLNRTPQGMWRGGIVCQHPNITKAFRRSVSNYKIKQVSDA
Bf1o2b  ACWLAALYEQTLTLDETWNGAGKLNESC.GKYRVVNIKAYKLPNN...ISFSTIDHRSKCVTKT...GNPWCVGGLNRQMSQEDRGGIVCVNHPQIQAFAFVIVKMDKCTKS
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